

9 VAC 25-720-130. New River.

A. Total maximum Daily Load (TMDLs).

TMDL #	Stream Name	TMDL Title	City/County	WBID	Pollutant	WLA	Units
1.	Stroubles Creek	Benthic TMDL for Stroubles Creek in Montgomery County, Virginia	Montgomery	N22R	Sediment	233.15	T/YR
2.	Back Creek	Fecal Bacteria and General Standard Total Maximum Daily Load Development for Back Creek Watershed, Pulaski County, VA	Pulaski	N22R	Sediment	0.28	T/YR
3.	Crab Creek	Fecal Bacteria and General Standard Total Maximum Daily Load Development for Crab Creek Watershed, Montgomery County, VA	Montgomery	N18R	Sediment	77	T/YR
4.	Peak Creek	Fecal Bacteria and General Standard Total Maximum Daily Load Development for Peak Creek Watershed, Pulaski County, VA	Pulaski	N17R	Copper	12	KG/YR
5.	Peak Creek	Fecal Bacteria and General Standard Total Maximum Daily Load Development for Peak Creek Watershed, Pulaski County, VA	Pulaski	N17R	Zinc	57	KG/YR
6.	Bluestone River	Fecal Bacteria and General Standard Total Maximum Daily Load	Tazewell	N36R	Sediment	81.4	T/YR

		Development for Bluestone River					
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~~B. Stream segment classifications, effluent limitations including water quality based effluent limitations, and waste load allocations.~~

TABLE B1- SEWERAGE SERVICE AREAS

Map ¹ No.	Locality	Receiving ² Stream Classification	NPDES Limits ³ Flow BOD ₅ -SS (mgd) (kg/day) (kg/day)			Status of Applicable ⁴ Section 201 Programs (January 1980)
	Abbs Valley	WQ	Permit not needed at present			Not on priority list
	Austinville	EL	Permit not needed at present			Not on priority list
	Bastian	EL	Permit not needed at present			Continue to use septic tanks for present
†	Blacksburg	EL	6.0	544.8	544.8	Completed
	Bland	EL	Permit to be issued in future			Not on priority list
29	Bluefield	WQ	3.5	106	106	Near Completion
	Boissevain	WQ	Effluent treated at Pocahontas			Redesign to treat at Pocahontas underway
2	Christiansburg	WQ	2.0	113.5	113.5	Completed
3	Dublin	EL	.22	29.9/49.9	29.9/49.9	To be connected to Pepper's Ferry STP (Radford Cluster) in FY 80
	Elk Creek	EL	Permit not needed at present			Continue to use septic tanks
4	Fairlawn	EL	.26	47	47	To be connected to Pepper's Ferry STP (Radford Cluster)
	Falls Mills	WQ	.144	5.5	5.5	Step I approved; limits for new plant
	Flat Ridge	EL	Permit not needed at present			Not on priority list
*5	Floyd	EL	.1	59.0	45.4	Small community; Step IV
13	Fries	EL	.02	11.8	9.1	Step I approved
14			.16	94.5	72.7	
17	Galax	EL	1.5	170	170	Not on priority list
	Glen Lyn	EL	Permit not needed at present			Not on priority list
15	Hillsville	EL	.2	23	23	Step I to be approved soon
16			.15	17	17	

*18	Independence	EL	.2	22.7	22.7	Step I approved; selected alternative was for one plant
19			.1	11.4	11.4	
	Ivanhoe	EL	Permit not needed at present			Continue to use septic tanks
	Max Meadows	EL	Permit to be issued in future			Not on priority list
	Mechanicsburg	EL	Permit not needed at present			Not on priority list
6	Narrows	EL	0.60	354.0	272.0	Step I at EPA; Step II – FY 80
	Newport	EL	Permit not needed at present			Not on priority list
7	Pearisburg	EL	0.30	177.0	136.0	Step I at EPA; Step II – FY 80; Step III – FY 84
	Pembroke	EL	Permit not needed at present			Not on priority list
*30	Pocahontas	WQ	.15	17	17	Step I grant approved to correct I/I problems
8	Pulaski	EL	2.0	234/303	234	To be connected to Pepper's Ferry STP (Radford Cluster) in FY 80 (Step II)
9	Radford STP	EL	2.5	1475	925	Step II – FY 80
*10	Rich Creek	EL	.12	71	54	Step I at EPA, Step IV – FY 83
31	Riner	EL	.035	4.0	4.0	Completed
	Rocky Gap	EL	Permit not needed at present			Continue to use septic tanks for present
12	Rural Retreat	EL	0.15	37.5	37.5	Step I to be completed in FY 80
	Speedwell	EL	Permit not needed at present			Continue to use individual septic tanks for present
	Troutdale	EL	Permit not needed at present			Continue to use individual septic tanks for present
	Woodlawn	EL	Permit to be issued in future			Not on priority list
11	Wytheville	EL	20	400	200	Sewage treatment plant completed

1Discharges are shown on Plate 3.

~~2Effluent Limiting (E.L.) or Water Quality Limiting (WQ).~~

~~3For existing sewage treatment facility.~~

~~4For new sewage treatment facility.~~

~~*Small communities with combined Step II and III Grants.~~

TABLE B2- EFFLUENT LIMITS(1) (4) NEW RIVER BASIN

Discharge	Receiving Stream	Maximum BOD5 Loading Limits (kg/day)
Troutdale	Fox Creek	6.1
Independence	Peachbottom Creek	13.5
Fries	New River	50.5
Galax	Chestnut Creek	240.3
Hillsville	Little Reed Island Creek	99.6
Woodlawn	Crooked Creek	69.5
Speedwell	Cripple Creek	17.4
Austinville	New River	19.5
Rural Retreat	South Fork	50.5
Wytheville	Reed Creek	298.3
Max Meadows	Reed Creek	82.4
(3)Pulaski	Peak Creek	316.8
Floyd	Dodd Creek	24.1
Riner	Mill Creek	9.8
Blacksburg	New River	583.4
Christiansburg	Crab Creek	359.4
(3)Dublin New River- Fairlawn Radford Plum Creek	New River	772.7
Newport	Sinking Creek	2.9
Pembroke	New River	28.4

Bland	Walker Creek	10.3
Mechanicsburg	Walker Creek	3.1
Narrows Pearisburg	New River	110.8
Bastian	Wolf Creek	10.4
Rocky Gap	Wolf Creek	9.0
Rich Creek	Rich Creek	19.9
Glen Lyn	New River	5.7
Bluefield	Bluestone River	136.4
(2) Abbs Valley	Laurel Fork	11.4
(2) Pocahontas	Laurel Fork	5.5
(2) Boissevain	Laurel Fork	5.9

(1) Other effluent limitations will be determined by Water Quality Standards and/or Best Available Technology requirements.

(2) Secondary treatment will be required until a further verification of the model is made to document the need for treatment beyond secondary.

(3) To join Radford Cluster.

(4) This table supersedes Table 152, page 199, Thompson & Litton, Inc., New River Basin Comprehensive Water Resources Plan, Volume V-A.

TABLE B3- NEW RIVER BASIN INDUSTRIAL EFFLUENT LIMITATIONS*

Parameters in Average kg/day or (Concentration) as mg/l

FACILITY NUMBER

MAP NUMBER	BOD5	SS	OIL & GREASE	IRON	COPPER	
20 APCO						
004		382	192			
401	1.14			(1.0) MAX	(1.0) MAX	
501		1.14				
006		318	159			
21 Burlington Industries	BOD5	SS	PHENOLS	SULFIDE	ALUMINUM	
001	346	354	1.7	0.9	1.0	
22 Celanese Fibers Co.	FLOW	BOD5	SS	COD		
002	(MGD)					
003	2.8	(30)				
	3.5	2,000	2,023	27,604		
23 Hercules, Inc.	SS					
004	34					
24 Lynchburg Foundry	SS	OIL &	PHENOLS			
004		GREASE				
	143	53.1	1.04			
25 RAAP Combined Ind.	FLOW	BOD5	SS	COD	OXIDIZED	SULFATE
026	(MGD)				NITROGEN	
	1.0	114	6,714	237	18,697	565
			114			67

26 New Jersey Zinc	BOD5	SS	TOTAL CYANIDE	DISSOLVED LEAD	DISSOLVED ZINC	DISSOLVED IRON
004		(38)		(0.25)	(1.0)	(0.3)
002		(30)		(0.25)	(1.0)	(0.25)
003		(20)	(0.02)	(0.35)	(1.0)	(0.25)
004		(30)	(0.02)	(1.0)	(0.25)	
005		(30)	(0.25)	(0.25)	(1.0)	(0.25)
006	2.3	2.3		-----	-----	-----
27 Elk Creek Raycarl Products	SS	OIL & GREASE	IRON	PHOSPHATE	ZINC	
	(5)	(10)	(1)	(2)	(0.5)	
28 Fields Mfg	BOD5	SS	OIL & GREASE	TEMP.		
	3.6	4.4	0.8	75°F		

New River non-TMDL waste load allocations

New River non-TMDL waste load allocations								
Water Body	Permit No	Facility Name	Outfall No.	Receiving Stream	River Mile	Parameter Description	WLA	Units WLA
VAS-N11R	VA0020281	Wytheville WWTP	001	Reed Creek	25.79	BOD5	360	KG/D
VAS-N15R	VA0089443	Hillsville WWTP	001	Little Reed Island Creed	25.12	CBOD5, JAN-MAY	118	KG/D
						CBOD5, JUN-DEC	95	KG/D
VAW-N21R	VA0024040	Montgomery Co. PSA - Riner Town - Sewage Treatment Plant	001	Mill Creek	5.12	BOD5	7.5	KG/D
						TKN (N-KJEL)	1.9	KG/D
VAW-N22R	VA0060844	Blacksburg VPI Sanitation Auth - Lower Stroubles Creek WWTP	001	New River	71.37	BOD5	818	KG/D
VAS-N36R	VA0025054	Bluefield Westside WWTP	001	Bluestone River	25.64	BOD5, JUN-NOV	130	KG/D
						BOD5, DEC-MAY	260	KG/D

<u>New River non-TMDL waste load allocations</u>								
<u>Water Body</u>	<u>Permit No</u>	<u>Facility Name</u>	<u>Outfall No.</u>	<u>Receiving Stream</u>	<u>River Mile</u>	<u>Parameter Description</u>	<u>WLA</u>	<u>Units WLA</u>
VAS-N36R	VA0062561	Tazewell County PSA - Falls Mills Hales Bottom STP	001	Bluestone River	22.49	BOD5	5.5	KG/D
VAS-N37R	VA0029602	Pocahontas STP ¹	001	Laurel Fork	1.99	BOD5	17	KG/D
VAW-N21R	VA0024040	Montgomery Co. PSA - Riner Town - Sewage Treatment Plant	001	Mill Creek	5.12	BOD5	7.5	KG/D
						TKN (N-KJEL)	1.9	KG/D
VAW-N22R	VA0060844	Blacksburg VPI Sanitation Auth - Lower Stroubles Creek WWTP	001	New River	71.37	BOD5	818	KG/D
1. Pocahontas STP: Secondary treatment will be required until a further verification of the model is made to document the need for treatment beyond secondary								

Certified True and Accurate: _____

Robert G. Burnley
 Director, DEQ

Date: _____